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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/605,915	11/06/2003	Jui-Hsiang Lo	PMXP0168USA	2914
27765	7590	05/08/2007	EXAMINER	
NORTH AMERICA INTELLECTUAL PROPERTY CORPORATION			LIM, STEVEN	
P.O. BOX 506			ART UNIT	
MERRIFIELD, VA 22116			PAPER NUMBER	
			2617	
			NOTIFICATION DATE	DELIVERY MODE
			05/08/2007	ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

winstonhsu.uspto@gmail.com  
Patent.admin.uspto.Rcv@naipo.com  
mis.ap.uspto@naipo.com.tw

<b>Office Action Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	10/605,915		LO, JUI-HSIANG	
	<b>Examiner</b>		<b>Art Unit</b>	
	Steven Lim		2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 06 November 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 November 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 112***

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claims 3 and 10 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The term used "foldable" is not adequately described in the specification as to how the ray shade "folds", however for examination purposes Examiner takes the term "foldable" to mean the same as collapsible.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States

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only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-2 and 7-9 are rejected under 35 U.S.C. 102(e) as being anticipated by Herzig et al. (US 6594503).

5. Regarding Claims 1 and 9, Herzig et al. teaches a mobile phone system with a card character recognition function comprising: a mobile phone with housing (Col. 2, Lines 12-14, Fig. 11), a image capturing module within the phone (CCD, Col. 2, Lines 24-25, Fig. 2, Item 100 and 120), a character recognition module within the phone (OCR reader, Col. 2, Lines 21-24 and 41-44, Fig. 1 and 2, Item 110), a control module within the phone (Col. 2, Lines 58-60), a display (graphical representation, Fig. 2, Item 155), and memory (Fig. 2, Item 135).

6. Regarding Claim 2, Herzig et al. further teaches the image-capturing module is a phone camera (auto focus objective projecting picture to image sensor) installed on a housing of the mobile phone (Col. 3, Lines 54-58, Fig. 4).

7. Regarding Claim 7, Herzig et al. further teaches the character recognition module (Fig. 2, Item 110) is installed inside a housing of the mobile phone (Fig. 2, Item 100).

8. Regarding Claim 8, Herzig et al. further teaches the character recognition module is an optical character recognition system (Col. 2, Lines 21-24).

### ***Claim Rejections - 35 USC § 103***

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

10. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148

USPQ 459 (1966), that are applied for establishing a background for determining

obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

11. Claims 3-6 and 10-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Herzig et al. in view of Hood (US 2350110).

12. Regarding Claims 3 and 10, Herzig et al. discloses a capturing jig (Fig. 5, Item 100) that includes a light source installed inside (Fig. 5, Item 125) and a contact camera with close shooting lens (Col. 3, Lines 64-67, Col. 4, Lines 1-2, Fig. 5, Item 123), however Herzig et al. fails to disclose a foldable ray shade made of opaque material and a close shooting lens.

In an analogous art, Hood discloses a foldable ray shade (collapsible lens hood), made of opaque material that encompasses a lens (mounting ring for lens, Fig. 5, Item 33) which enables a camera to reduce glare, block the sun and other light sources.

It would have been obvious to one having ordinary skill in the art at the time of invention was made to have the capturing jig include a foldable ray shade with lighting inside in order for the camera to take pictures in the same environment without other light interfering with the OCR process.

13. Regarding Claim 4, Herzig further discloses the light source is a light emitting diode (Col. 4, Lines 22-28).

14. Regarding Claims 5 and 6, Herzig further discloses the image-capturing module is an internal camera connected to the character recognition module inside the mobile phone (Fig. 2, Item 100, 110 and 120), however Herzig fails to disclose these modules are located externally of the mobile phone.

15. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have an external image capturing and character recognition module, since it has been held that constructing a formerly integral structure in various elements involves only routine skill in the art. *Nerwin v. Erlichmena*, 168 USPQ 177, 179.

16. Regarding Claim 11, Herzig further discloses the light source is a light emitting diode (Col. 4, Lines 22-28).

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven Lim whose telephone number is (571) 270-1210. The examiner can normally be reached on Mon-Thurs 9:00am-4:00pm EST.

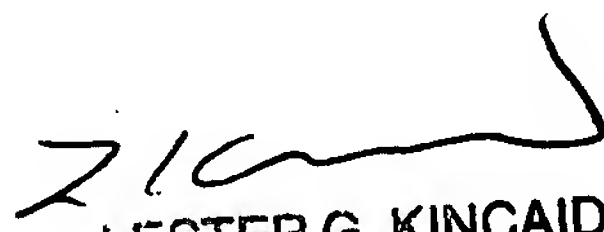
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester Kincaid can be reached on (571)272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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LESTER G. KINCAID  
SUPERVISORY PRIMARY EXAMINER